

## HOW TO START YOUR DATA ANALYSIS WITH SQL

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If you are looking to start your data analytics and visualization journey. There you are in the right place, as this blog post would guide you step by step on how to start. In data analytics and visualization, there are required softwares (tools) that you must have. You would need a personal computer (desktop or mobile computer; laptop) to be able to help you install the required softwares (tools). This required softwares (tools), must have's I should say are Microsoft Excel, SQL software (for requesting data present in an offline or online database e.g Oracle Database, Microsoft SQL Database, Microsoft Access Database amongst other), Python, Jupyter (Notebook), & Microsoft Power BI. Reteriating on what I earlier wrote above, this blog post from start to finish would be all about showing step by processes of accomplishing of accomplishing a task in the form of Images and Written programming codes. So start I would show you how to install and setup a database accessing software (tool) called Microsoft SQL Server Management Studio. To download the software, you have to visit the software website with an internet browser, e.g microsoft edge, google chrome, firefox, etc on <https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms?view=sql-server-ver15> (version updates are released from time to time, do well to download the latest version stable **version**)

Download SQL Server Management Studio (SSMS)

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## Download SQL Server Management Studio (SSMS)

Article • 03/08/2022 • 7 minutes to read • 41 contributors

**Applies to:** SQL Server (all supported versions) Azure SQL Database Azure SQL Managed Instance Azure Synapse Analytics

SQL Server Management Studio (SSMS) is an integrated environment for managing any SQL infrastructure, from SQL Server to Azure SQL Database. SSMS provides tools to configure, monitor, and administer instances of SQL Server and databases. Use SSMS to deploy, monitor, and upgrade the data-tier components used by your applications, and build queries and scripts.

Use SSMS to query, design, and manage your databases and data warehouses, wherever they are - on your local computer, or in the cloud.

**Download SSMS**

In this article  
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Available languages  
What's new  
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Unattended install  
Installation with Azure Data Studio  
Uninstall  
Supported SQL offerings  
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SQL Server Downloads | Microsoft

Or, download a free specialized edition

### Developer

SQL Server 2019 Developer is a full-featured free edition, licensed for use as a development and test database in a non-production environment.

[Download now >](#)

### Express

SQL Server 2019 Express is a free edition of SQL Server, ideal for development and production for desktop, web, and small server applications.

[Download now >](#)

Connect with user groups and data community resources related to SQL Server, Azure Data, and diversity and inclusion. [Learn more >](#)



When on the webpage, Click on **Download Sql Server**, after the next page loads, scroll down till you see the **download a free specialized edition section**, then click **download now under Express(right)**. The Sql Server management studio file would start downloading, on confirmation of file download complete from the internet browser. Click directly on the file in the downloads box or locate your files download path through the files app

← → ↻ 🏠 🔒 <https://www.microsoft.com/en-us/sql-server/sql-server-downloads?rtc=1>

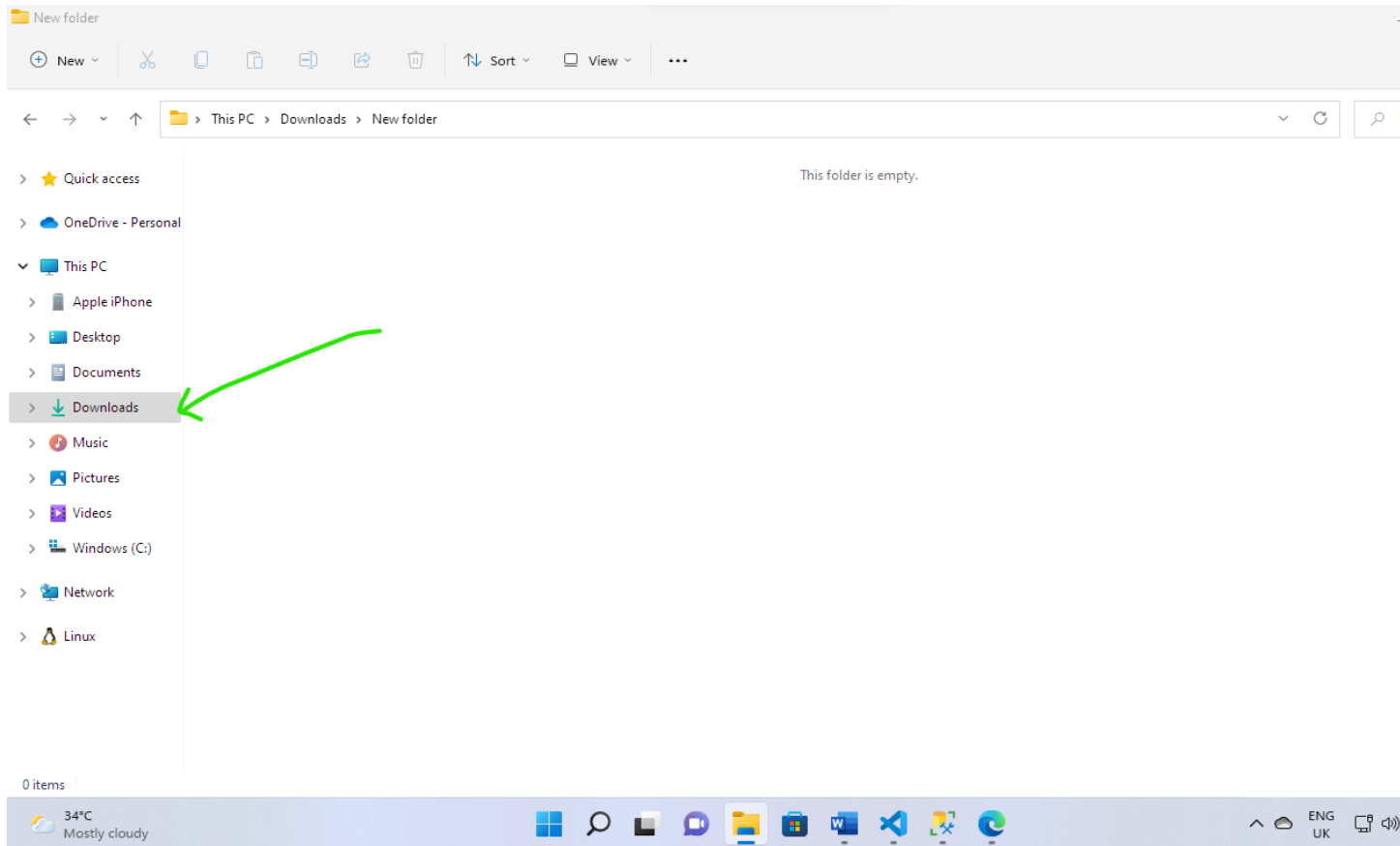


Downloads



SQL2019-SSBI-Expr (1).exe  
Cancelled





After clicking on the setup file, series of steps are required from you the user. First select **Basic** as installation type, next **accept the software license agreement**, after which you **specify where to install the sql server software**

SQL Server 2019



# Express Edition

Select an installation type:

## Basic

Select Basic installation type to install the SQL Server Database Engine feature with default configuration.

## Custom

Select Custom installation type to step through the SQL Server installation wizard and choose what you want to install. This installation type is detailed and takes longer than running the Basic install.

## Download Media

Download SQL Server setup files now and install them later on a machine of your choice.

SQL Server transmits information about your installation experience, as well as other usage and performance data, to Microsoft to help improve the product. To learn more about data processing and privacy controls, and to turn off the collection of this information after installation, see the [documentation](#)

15.2002.4709.1

SQL Server 2019



# Express Edition

## Microsoft SQL Server License Terms

### MICROSOFT SOFTWARE LICENSE TERMS

#### MICROSOFT SQL SERVER 2019 EXPRESS

These license terms are an agreement between you and Microsoft Corporation (or one of its affiliates). They apply to the software named above and any Microsoft services or software updates (except to the extent such services or updates are accompanied by new or additional terms, in which case those different terms apply prospectively and do not alter your or Microsoft's rights relating to pre-updated software or services). **IF YOU COMPLY WITH THESE LICENSE TERMS, YOU HAVE THE RIGHTS BELOW. BY USING THE SOFTWARE, YOU ACCEPT THESE TERMS. IF YOU DO NOT ACCEPT THEM, DO NOT USE THE SOFTWARE.**

**IMPORTANT NOTICE: AUTOMATIC UPDATES TO PREVIOUS VERSIONS OF SQL SERVER.** If this software is installed on servers or devices running any supported editions of SQL Server prior to SQL Server 2019 (or components of any of them) this software will automatically update and replace certain files or features within those editions with files from this software. This feature cannot be switched off. Removal of these files may cause errors in the software and the original files may not be recoverable. By installing this software on a server or device that is running such editions you consent to these updates in all such editions and copies of SQL Server (including components of any of them) running on that server or device.

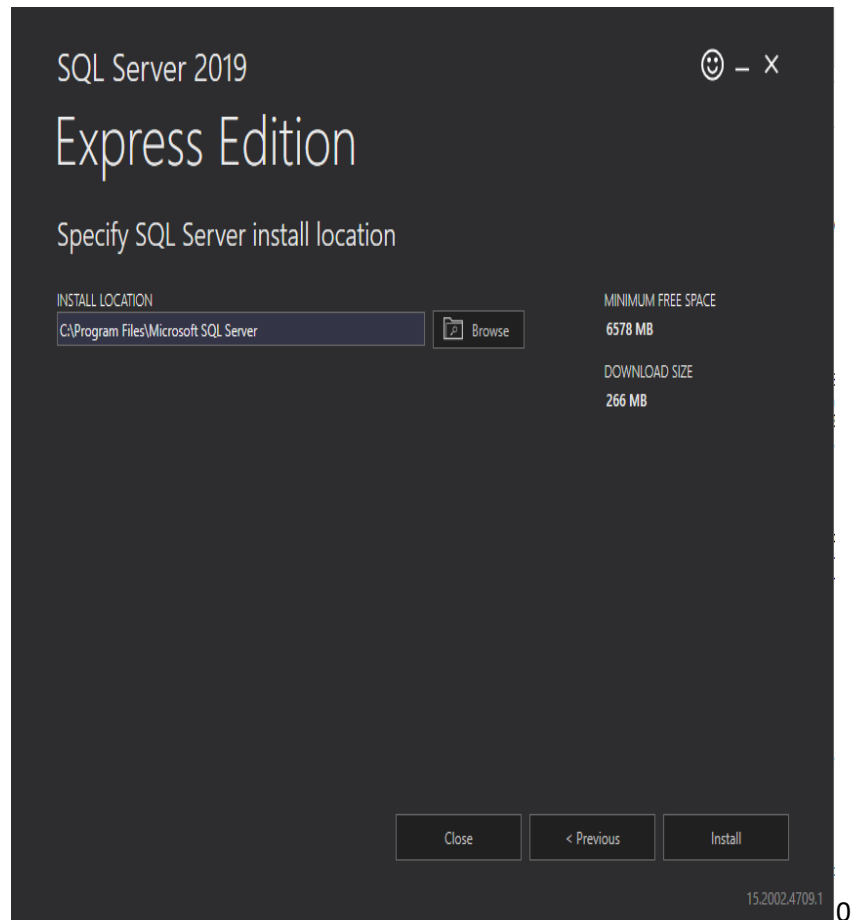
One or more SQL Server 2019 CTP 3.x instances detected. To install a second instance, click **Accept**. To perform an in-place Upgrade to the new CTP, click **Previous**, then **Custom**.

By clicking the "Accept" button, I acknowledge that I accept the License Terms and [Privacy Statement](#)

< Previous

Accept

15.2002.4709.1



**Figure 1-User Interface 1**

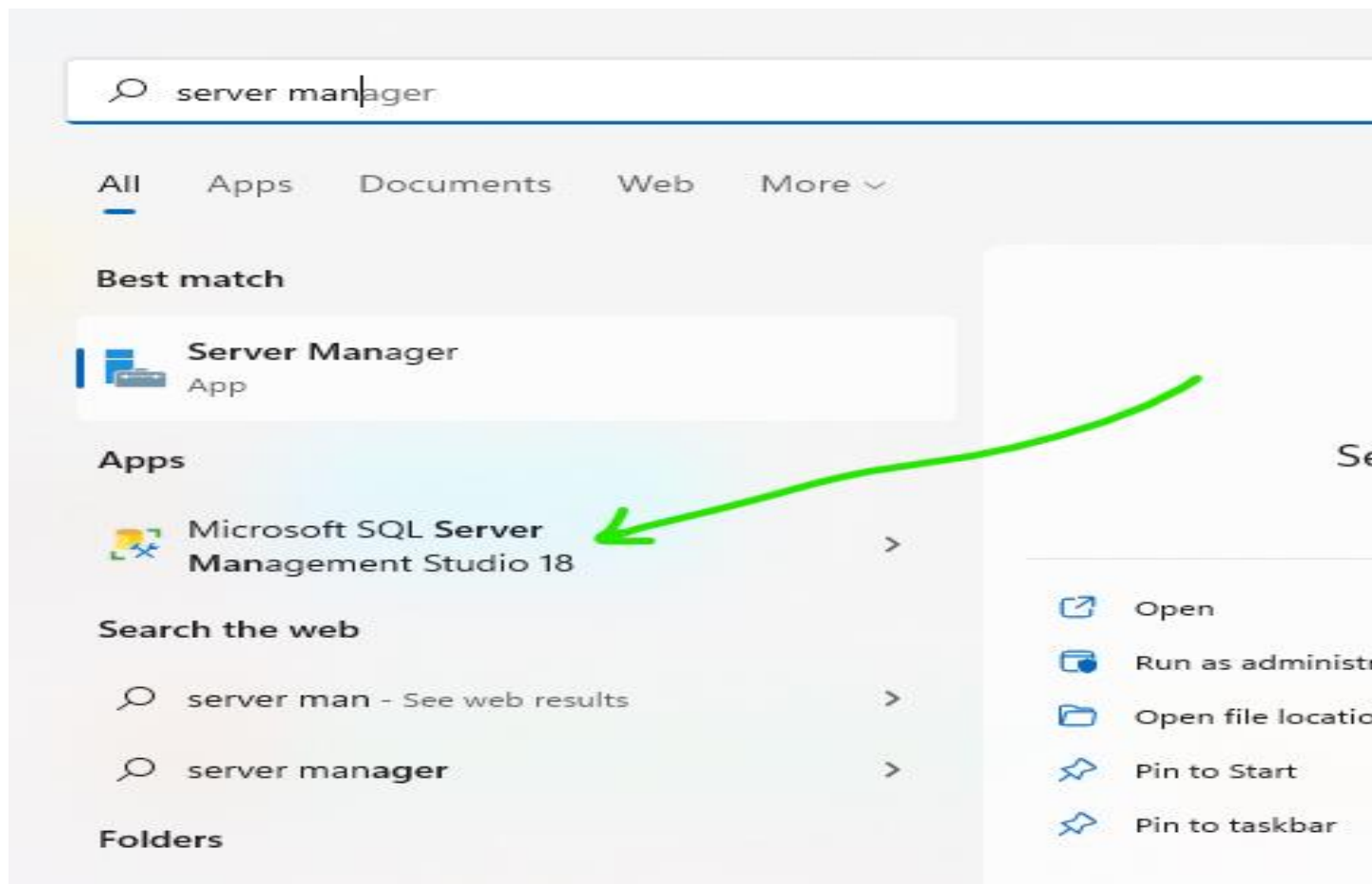
**Figure 2-User**

**Interface 2**

**Figure 3-User Interface 3**

If the steps are properly followed, the software should install successfully, after which you can then launch the software from the windows start menu, see Image below





On the software launch, an interactive window would pop up (see Image below), requiring your assistance to connect to an SQL server. Select **Database Engine** as server type; this would enable you to use an offline database for data analysis. **The server name and authentication**

Input boxes should automatically fill up with information. Check to see if the server name input box includes your correct computer name. The server name format is **your own computer name\SQLEXPRESS** e.g. if you renamed your computer name as "Micheal" in the about section (see Image Below) of your personal computer OS, then the server name should be **Micheal\SQLEXPRESS**. Failure to properly configure this section very well would make the software not to function properly. You would not be able to locally have a server running and even be able to connect to a local server that would enable you to practise analyse data with SQL. If everything is right as shown in the first image below, click on the **connect** button. You would be connected successfully to

a local server, **your own computer name\SQLEXPRESS** server, In my case I have no login computer logon password set, hence the User name and Password input boxes are set to ready-only. see Images below.

Connect to Server

## SQL Server

Server type: Database Engine

Server name: WINDOWS-USER\SQLEXPRESS

Authentication: Windows Authentication

User name: WINDOWS-USER\Windows-User

Password:

☐ Remember password

Connect Cancel Help Options >>

Settings

Ewbrudjakpor, Onajite

Find a setting

System

Bluetooth & devices

Network & internet

Personalisation

Apps

Accounts

System > About

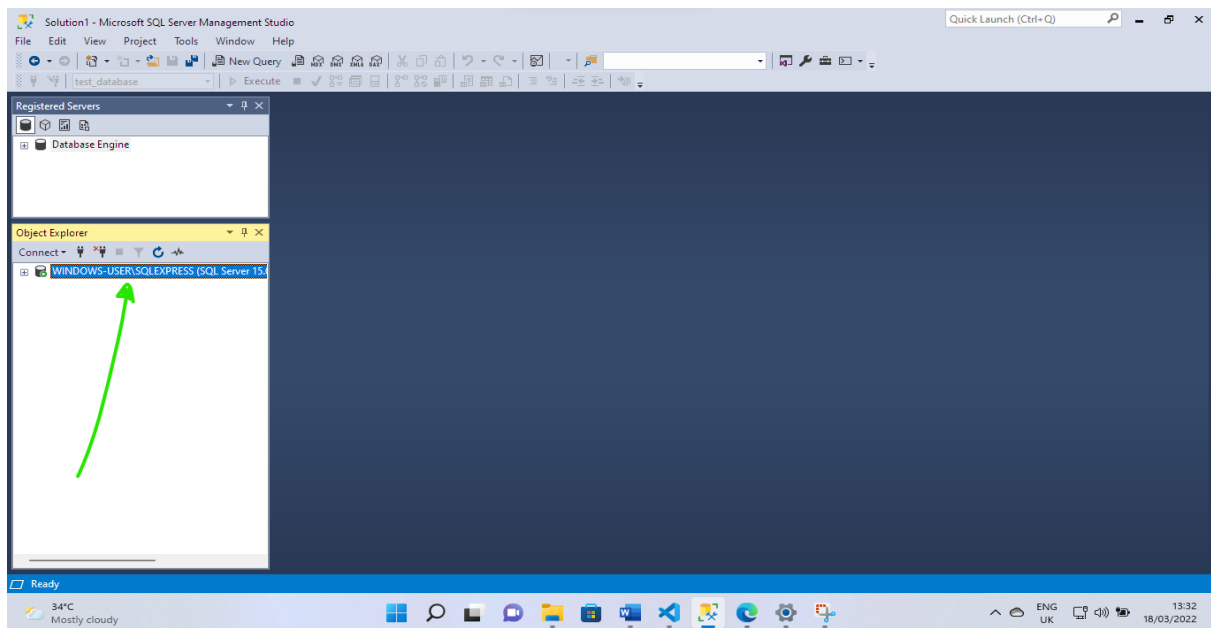
Windows-User  
ideapad 330-15IKB

Rename this PC

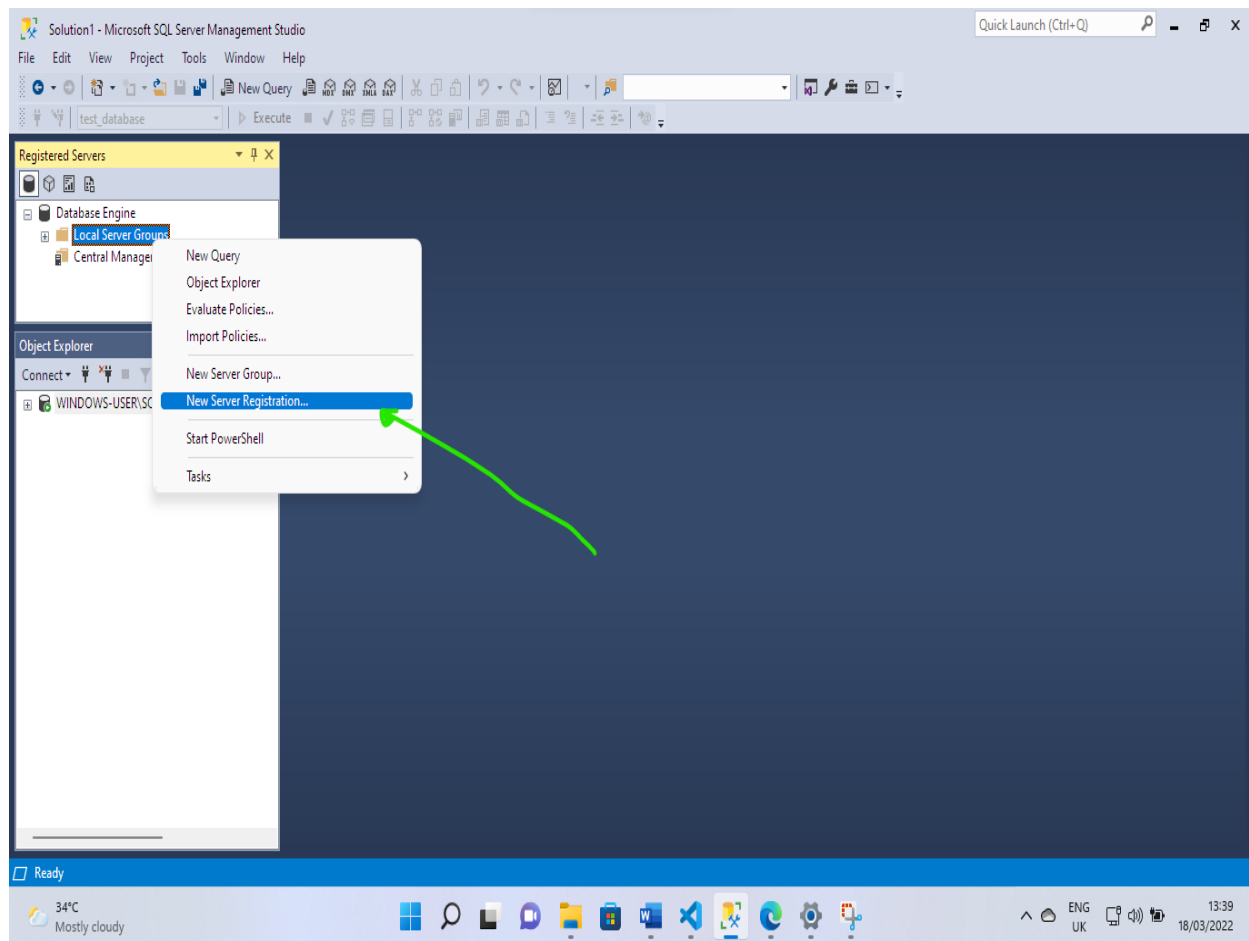
Device specifications

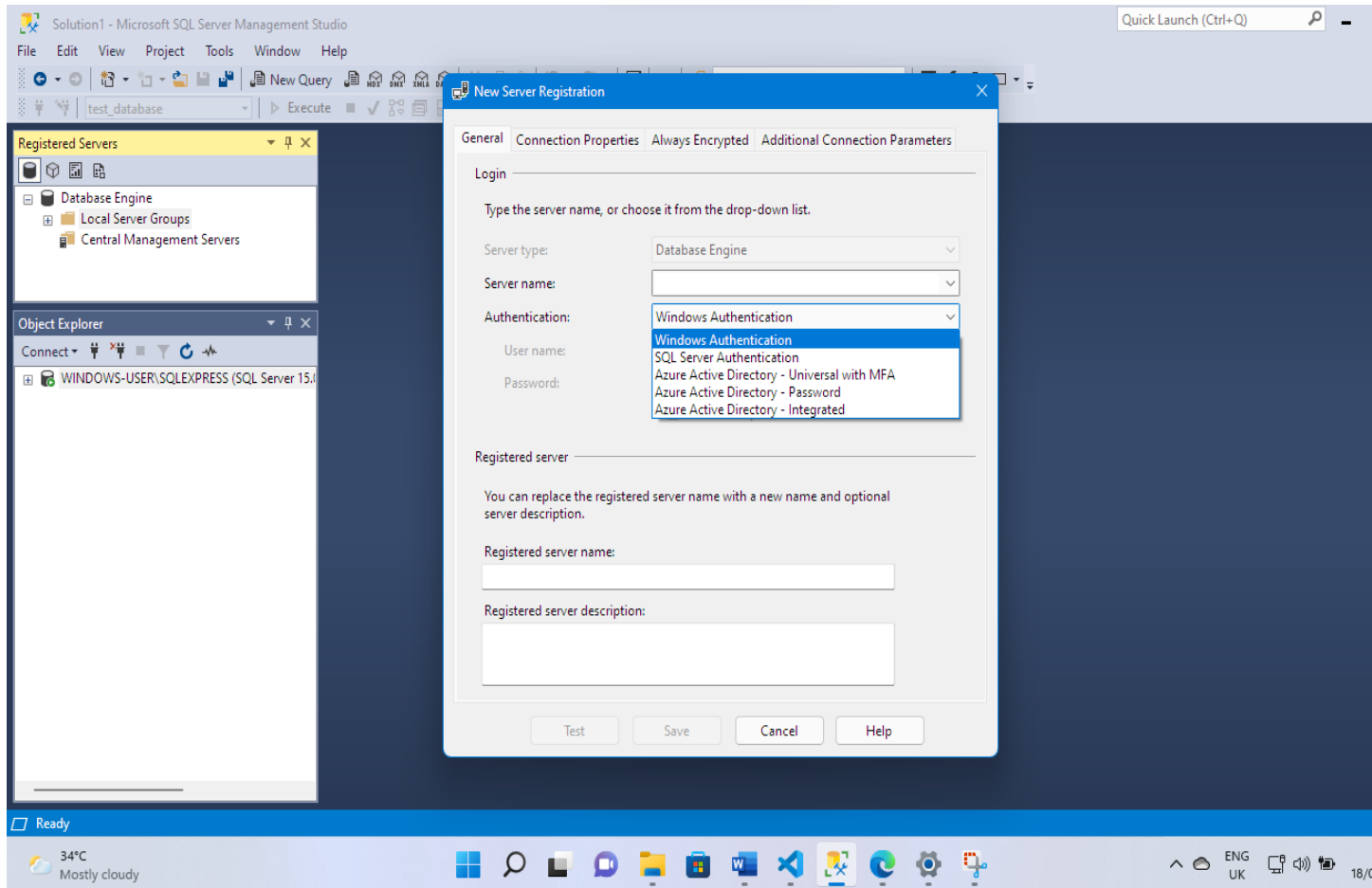
Copy

Device name	Windows-User
Processor	Intel(R) Core(TM) i5-7200U CPU @ 2.50GHz 2.71 GHz
Installed RAM	8.00 GB
Device ID	03A219A2-480B-4978-A8D8-F3B478298663
Product ID	00330-80000-00000-AA339
System type	64-bit operating system, x64-based processor
Pen and touch	No pen or touch input is available for this display

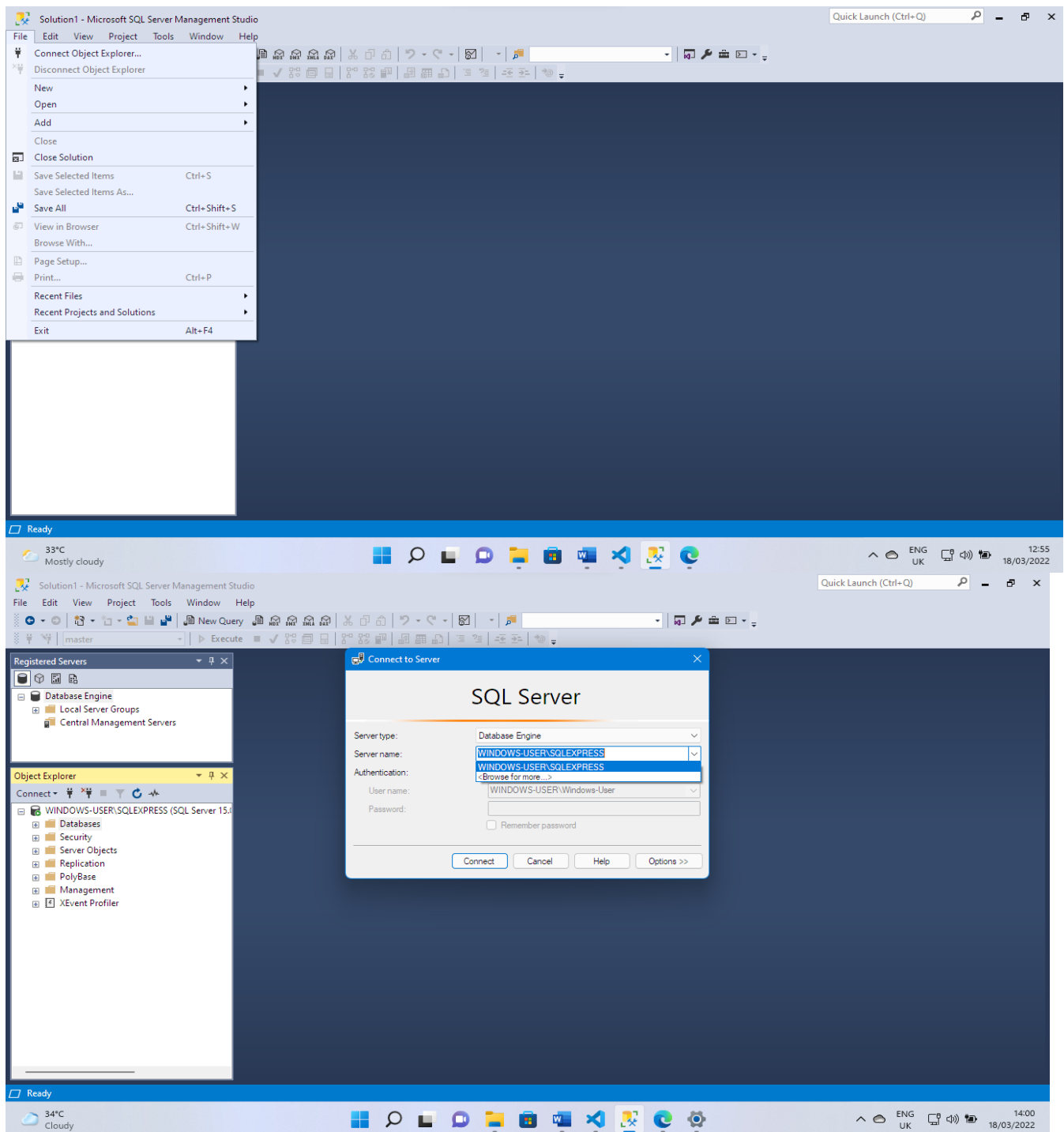


It is also possible to possible to register your own server.By expanding the **database engine** within the **registered server pane** and selecting **local server group**,then clicking **new server registration**.See Image below





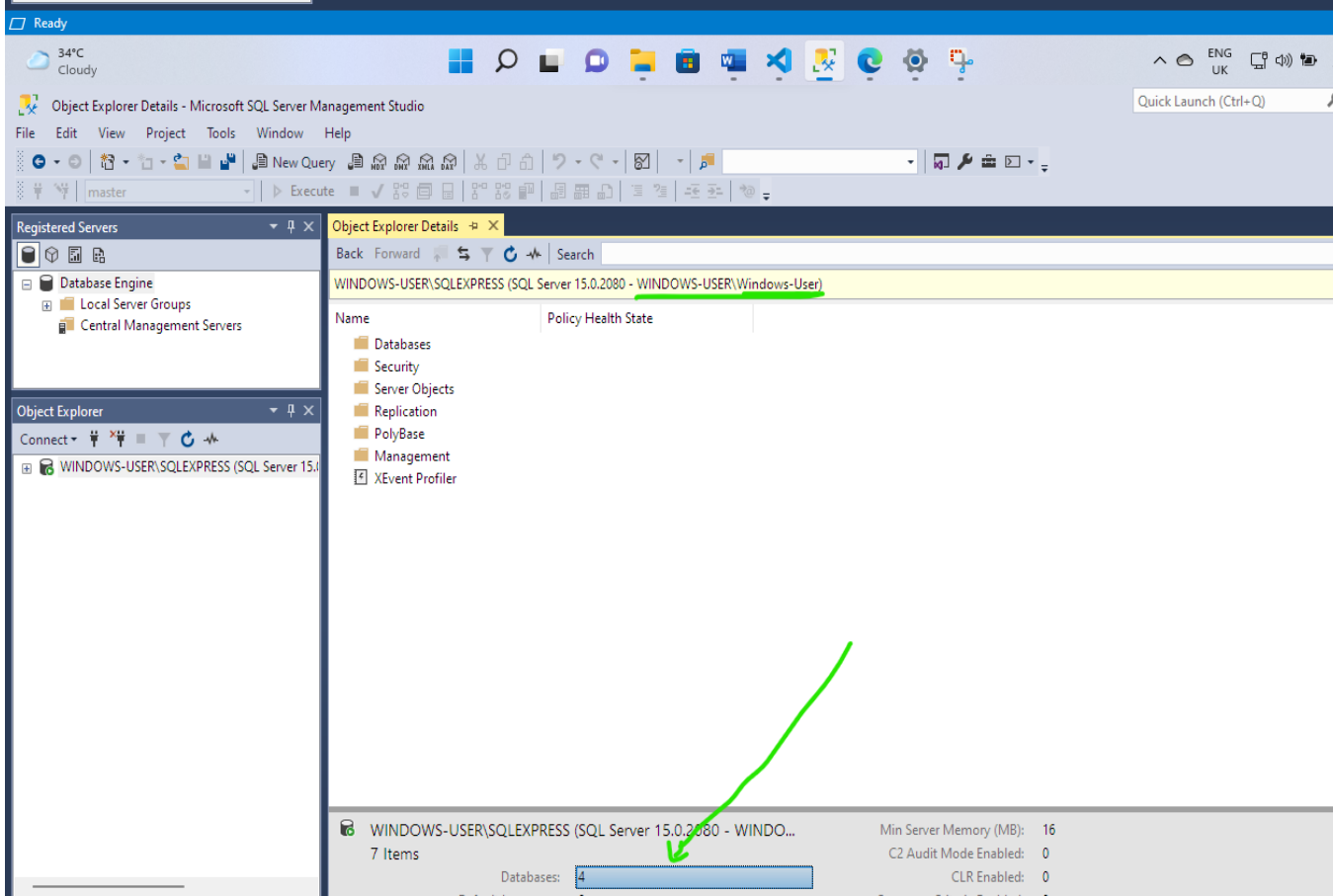
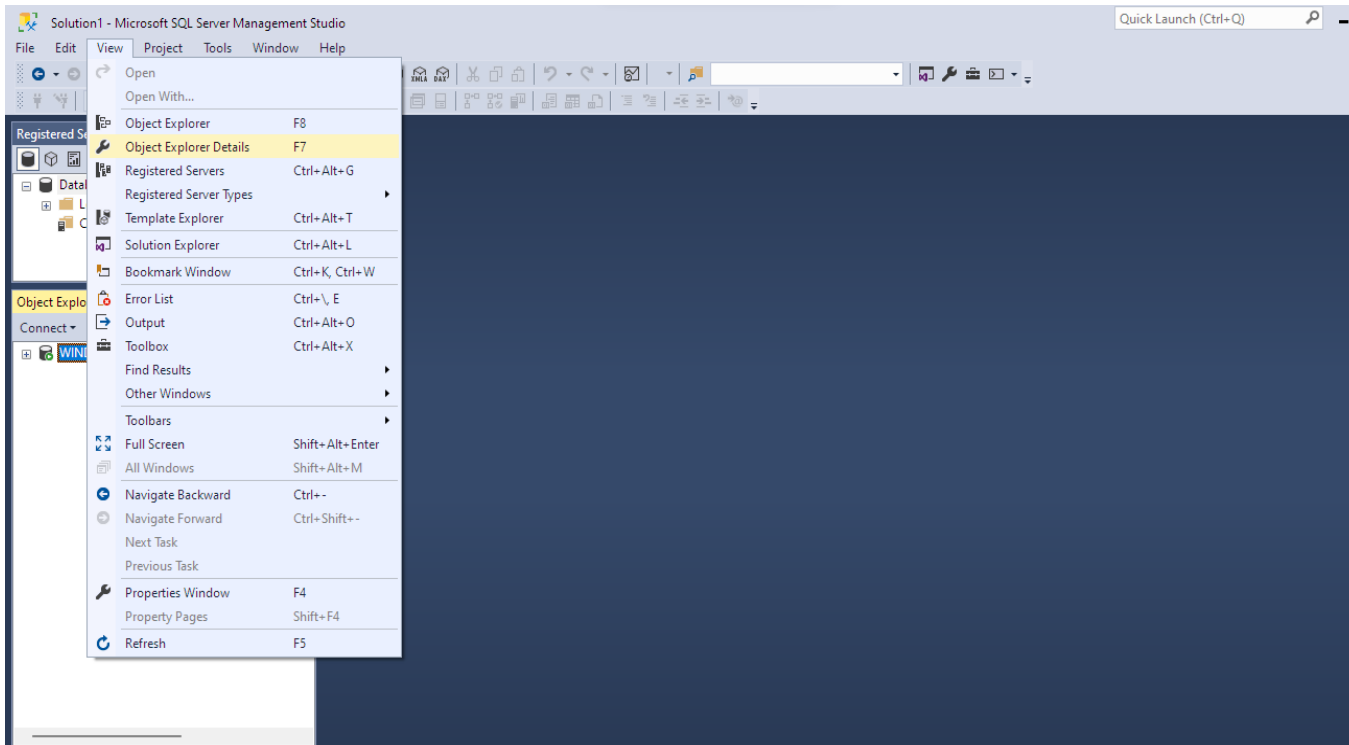
Input the server name, then from the drop box besides authentication field, select the authentication method, you have five(5) options. This requires a little bit of expertise as other authentication options aside from the windows authentication method would require you to request separate login details. **Click on test then save** to successfully register a new server. You can also connect to an existing server by **clicking on the file tab then clicking on connect object explorer, selecting the right server credentials and clicking on ok.** See Image below



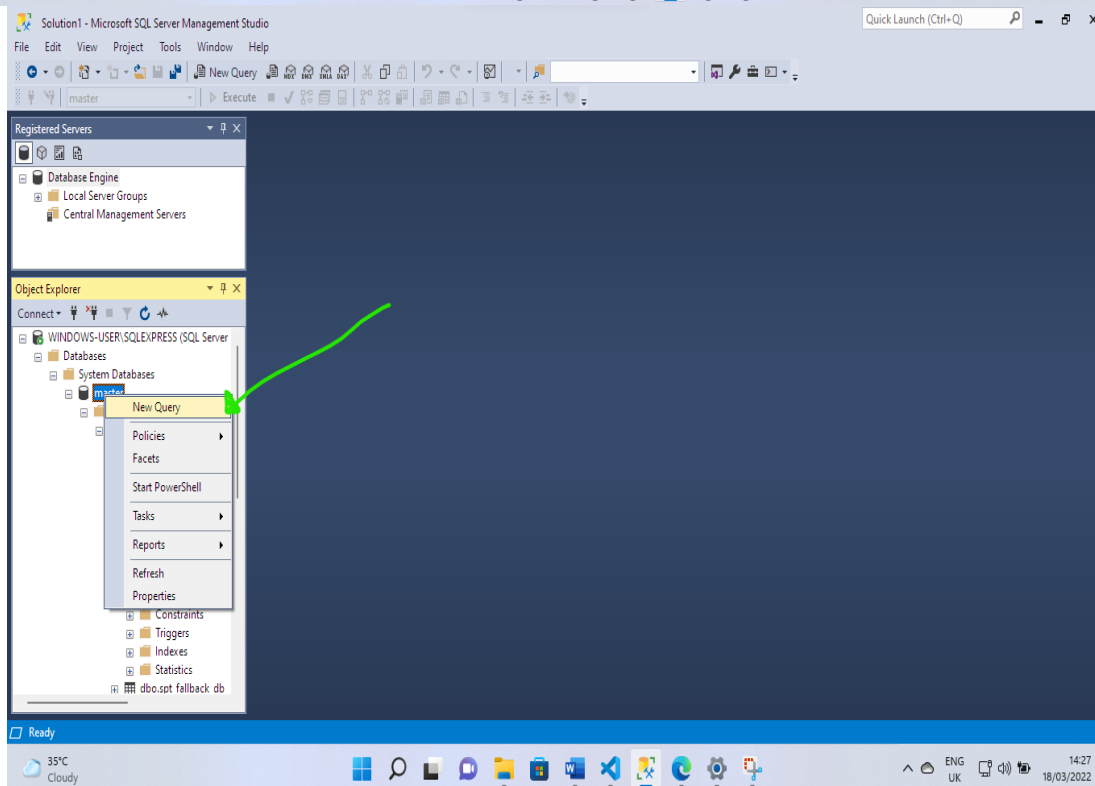
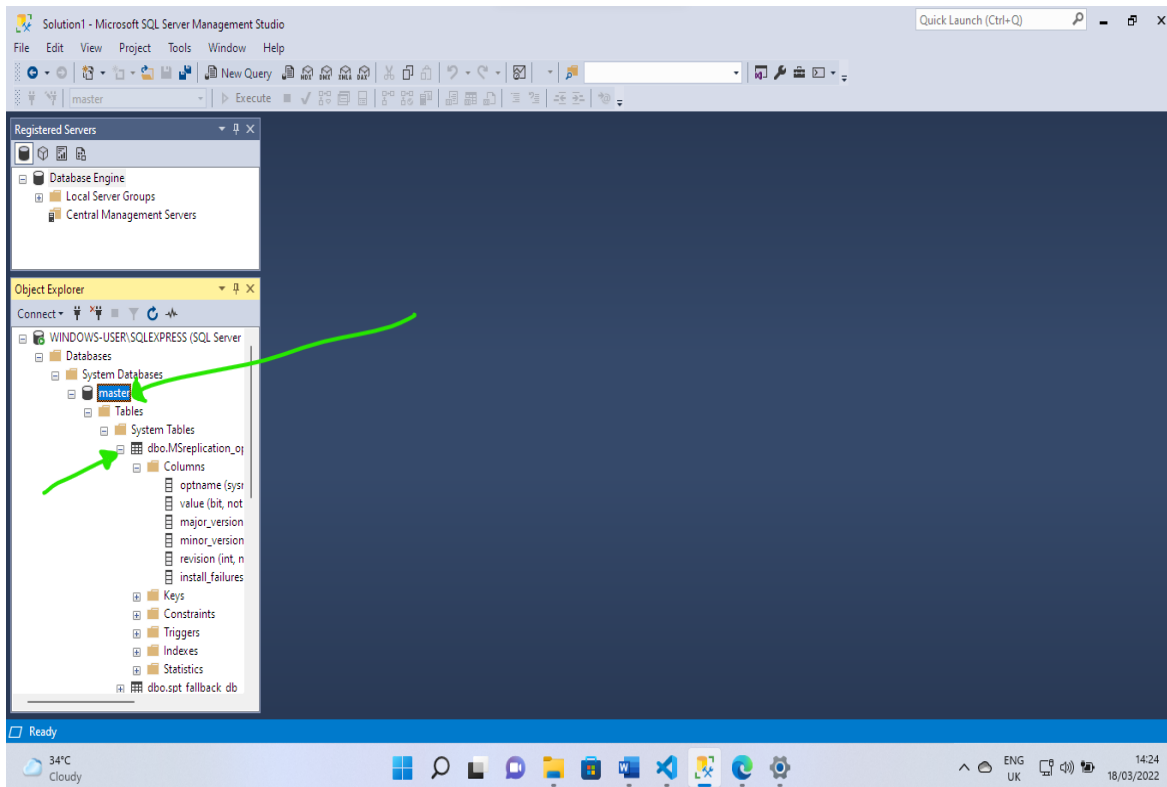
- Next on this blog post would be to connect to a test database and table present in the Microsoft sql server management studio and begin data analysis.

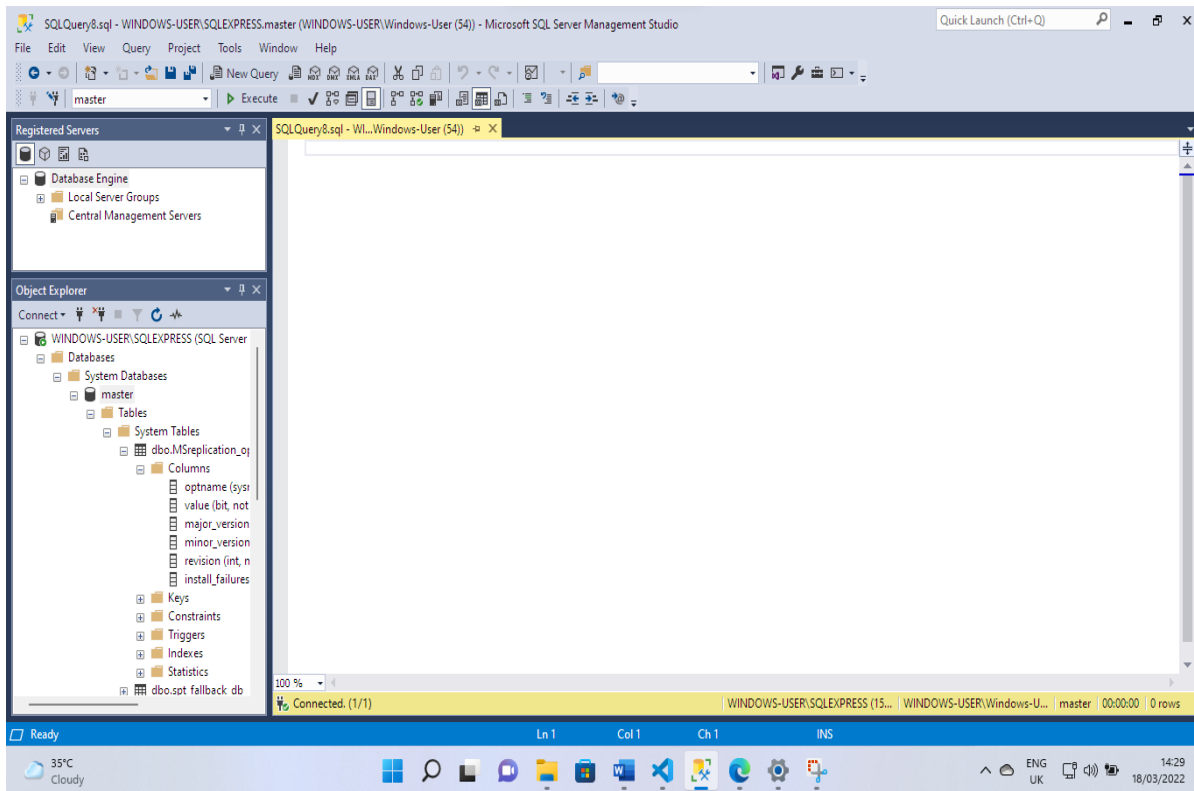
In Microsoft sql server management studio,there are four databases that come pre installed with the software.You can know how many databases are utilising an active server(i.e a server that you have successfully connected to) by clicking on the view tab inside the software and selecting object explorer details or press f7 on your keyboard.A window having information containing how many databases are utilising an active server would pop up.See Images below



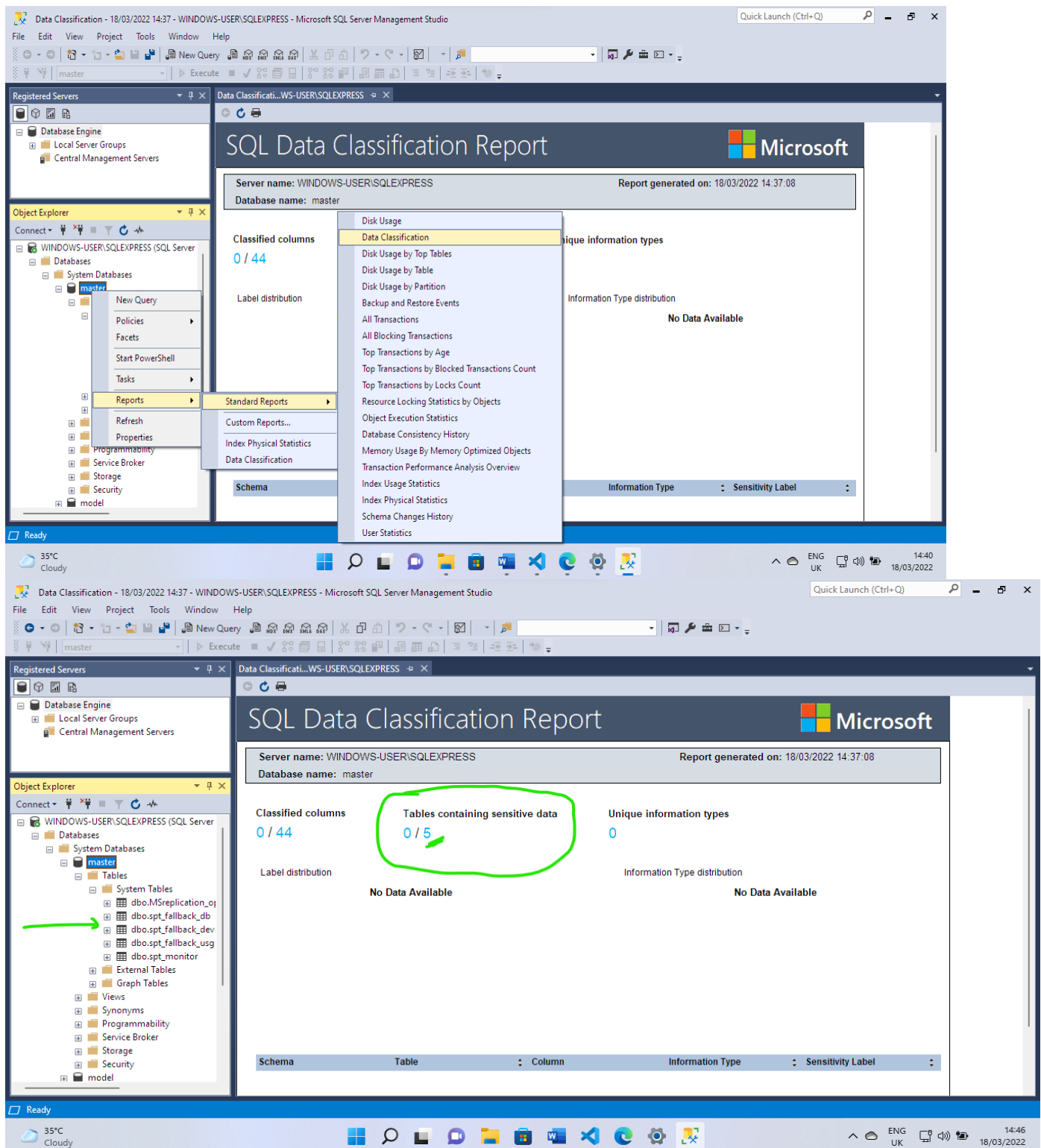


We can now go ahead and retrieve information from a pre created database within the software as part of the data analysis process. We would be retrieving data from the master database, one of the pre created database available with a freshly installed Microsoft sql server management studio. See Images and code snippets below





You can know the number of tables present in a database by right clicking on the database and selecting **reports** from the pop up menu and **standard report** then **data classification**. In our test database, **master**, it has five(5) tables containing data stored in it. See Image below



Series of sql function keywords can be used to retrieve information from the database table. Some of this function keywords are SELECT, ALIAS, FROM, WHERE, GROUP, HAVING, ORDER

BY,COUNT,DISTINCT,JOIN(INNER,OUTER,LEFT,RIGHT),AND,BETWEEN,OR,IN,LIKE,IS LIKE,Wild card(%),IS NULL,SUM,AVERAGE,can also be prove useful.Below are the written codes containing the sql function keywords to successfully retrieve data from the master database and one of the tables(**dbo.MSreplication\_options**) under the master database containing fields(columns or headers) and rows(records or information) as well as its Image outputs.You can replicate same step with the codes.

```
select *  
from  
dbo.MSreplication_options
```

SQLQuery9.sql - WINDOWS-USER\SQLEXPRESS.master (WINDOWS-USER\Windows-User (56))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

master Execute

Registered Servers

- Database Engine
  - Local Server Groups
  - Central Management Servers

Object Explorer

Connect

- WINDOWS-USER\SQLEXPRESS (SQL Server 15.0.0)
  - Databases
    - System Databases
      - master
        - Tables
          - System Tables
            - dbo.MSreplication\_option
            - dbo.spt\_fallback\_db
            - dbo.spt\_fallback\_dev
            - dbo.spt\_fallback\_usg
            - dbo.spt\_monitor
          - External Tables
          - Graph Tables
          - Views
          - Synonyms
          - Programmability
          - Service Broker
          - Storage
          - Security
          - model

SQLQuery9.sql - WI...Windows-User (56))\*

```
select *  
from dbo.MSreplication_options
```

Results Messages

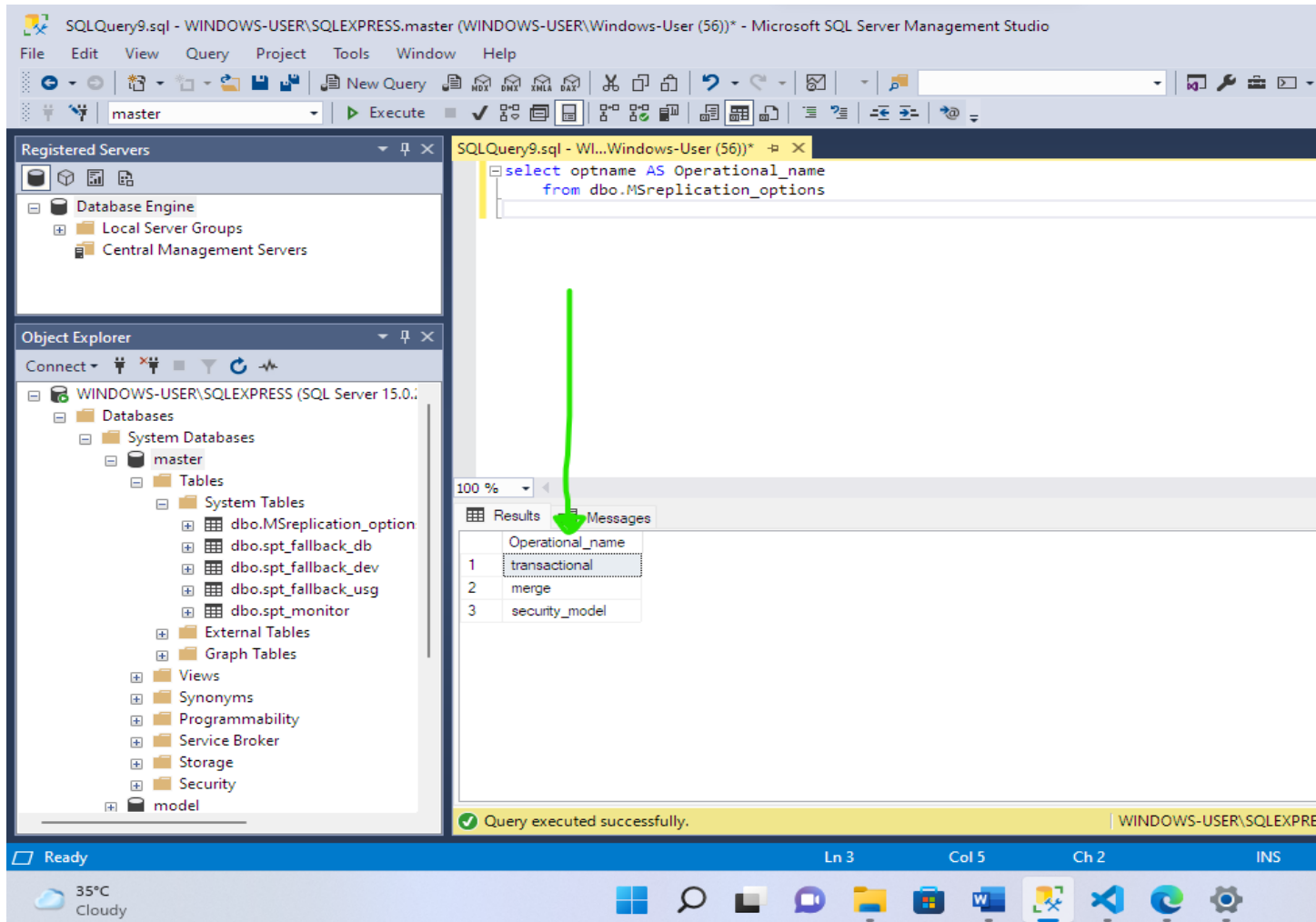
	optname	value	major_version	minor_version	revision	install_failures
1	transactional	1	90	0	0	0
2	merge	1	90	0	0	0
3	security_model	1	90	0	0	0

Query executed successfully. WINDOWS-USER\SQLEXPRESS (

Here is an **sql code** selecting just one column(field or header) from the available **six(6) columns** and also renaming the column header(field) using **alias**.The

original column name was **optname**.Image snapshot is provided after the code below.

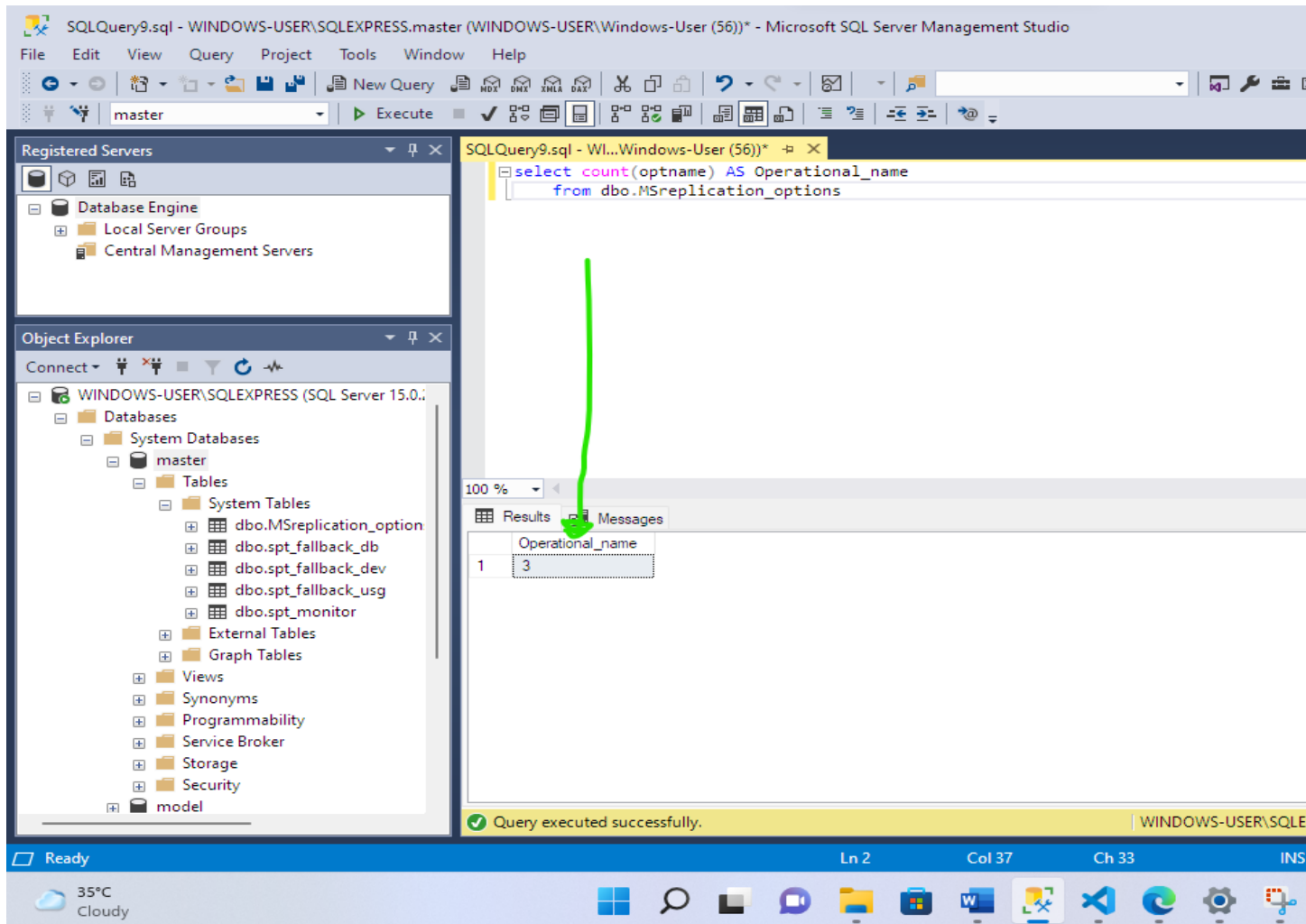
```
select optname AS  
Operational_name  
from  
dbo.MSreplication_optio  
ns
```



This code below displays the count(total number) of all rows present in the aliased table(**operational\_name**) above.Snapshot after the code

```
select  
count(optname)  
AS  
Operational_name
```

from  
dbo.MSreplication  
\_options

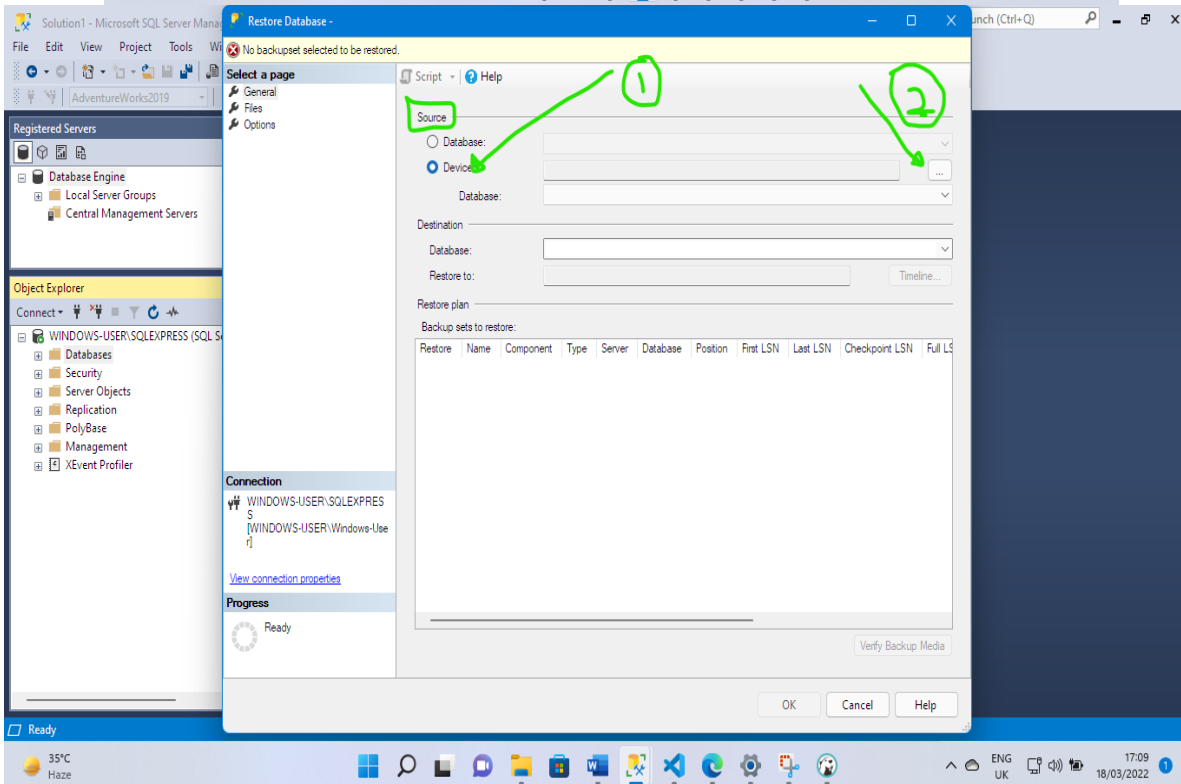
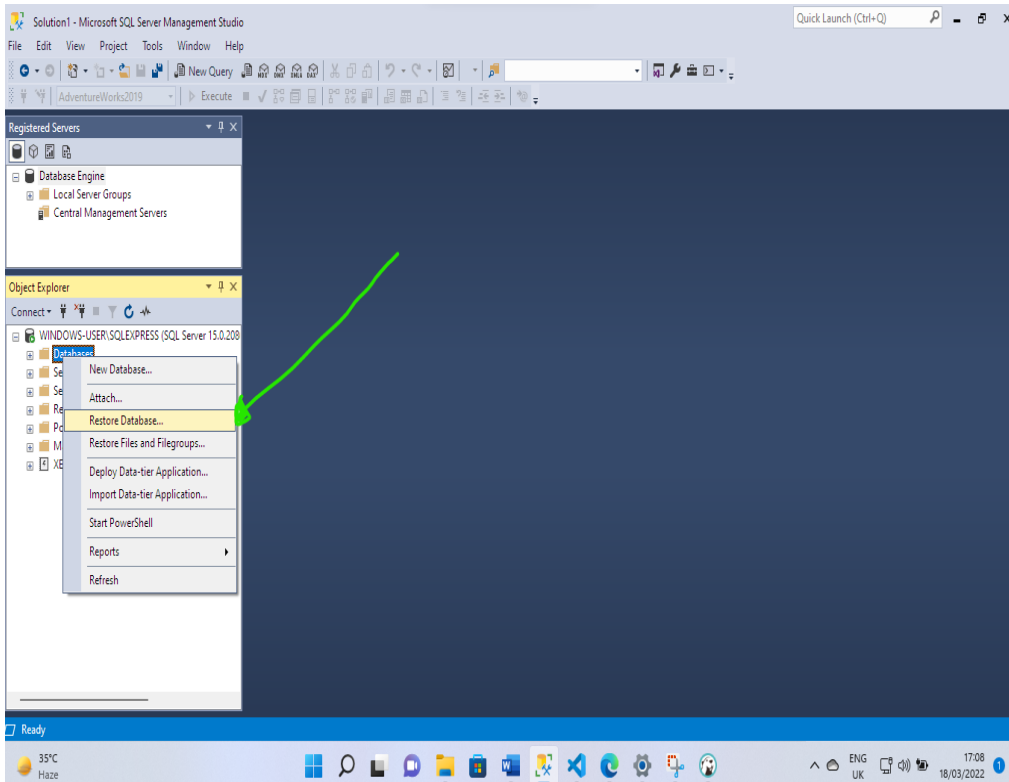


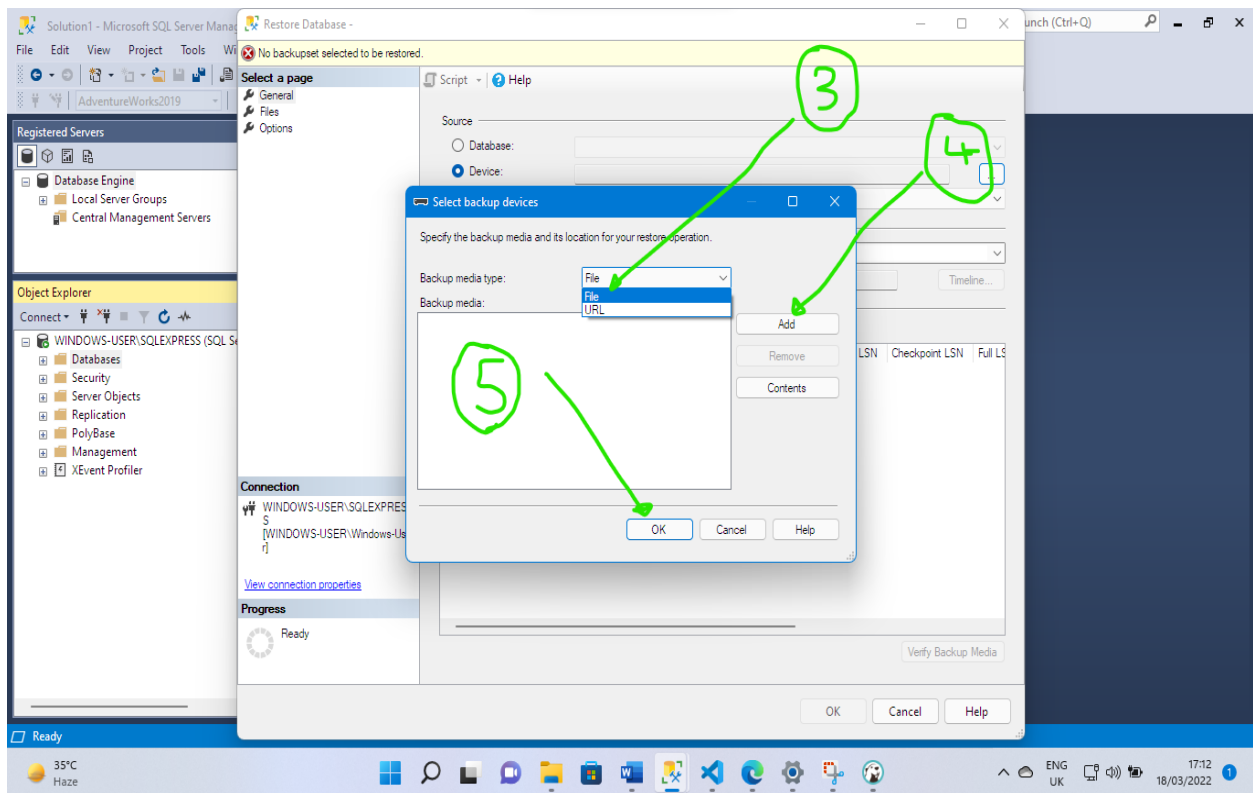
The **dbo.MSreplication\_options** table inside the master database is not giving us much opportunity to explore, so we are going to import an external database and continue data analysis with it. The URL to download the external dataset after download completion that would be used for further analysis is

<https://github.com/Microsoft/sql-server-samples/releases/download/adventureworks/AdventureWorks2019.bak> the database present in the just given github url is a backup file, meaning it is backup file of a database, in this case, the **adventureworks sample database** provided by Microsoft. To make use of the sample database file downloaded as **.bak** (.bak is short form of backup), the downloaded sample database would have to be present in a **backup** folder present inside the server management studio main



folder, the file path in own case is **C:\Program Files\Microsoft SQL Server\MSSQL15.SQLEXPRESS\MSSQL\Backup**, having the backup file inside of the backup folder is important, as this would make it possible for Microsoft sql server management studio to detect the presence of a .bak database file. After successfully copy the sample database file to the backup folder, we need to make use a **restore feature** present in the microsoft sql server management studio software. This restore feature called **restore database** can be accessed by right clicking on the **database folder**, already present in a freshly installed Microsoft sql server management studio software, and selecting **restore database**, then selecting **device button option** in the pop up menu **within the source selection section**, then clicking on the three dotted box, **right of the source selection section**, selecting **file as backup media type**, which can be accessed by clicking on a **drop down button**, after which you click on **add** and then finally selecting the required database name to restore from the available backup databases, then click on **ok**. See Images below





Now we would continue our data analysis but with a new database, recollect the reason why? I am sure you do. I would now resume the step by step guide of showing you how to perform intense data analysis with sql. The below code yields (see image below)

```
select *
from
Production.ProductListPr
iceHistory
```

SQLQuery14.sql - WINDOWS-USER\SQLEXPRESS.AdventureWorks2019 (WINDOWS-USER\Windows-User (58))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

AdventureWorks2019 Execute

Registered Servers

- Database Engine
  - Local Server Groups
  - Central Management Servers

Object Explorer

- Person.EmailAddress
- Person.Password
- Person.Person
- Person.PersonPhone
- Person.PhoneNumberType
- Person.StateProvince
- Production.BillOfMaterials
- Production.Culture
- Production.Document
- Production.Illustration
- Production.Location
- Production.Product
- Production.ProductCategory
- Production.ProductCostHistory
- Production.ProductDescription
- Production.ProductDocument
- Production.ProductInventory
- Production.ProductListPriceHistory
- Production.ProductModel
- Production.ProductModelIllustration

SQLQuery17.sql - ...Windows-User (53))\* SQLQuery14.sql - ...Windows-User (58))\*

```
select *  
from Production.ProductListPriceHistory
```

100 %

Results Messages

	ProductID	StartDate	EndDate	ListPrice	Modified
1	707	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	33.6442	2012-05-29 00:00:00.000
2	707	2012-05-30 00:00:00.000	2013-05-29 00:00:00.000	33.6442	2013-05-29 00:00:00.000
3	707	2013-05-30 00:00:00.000	NULL	34.99	2013-05-30 00:00:00.000
4	708	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	33.6442	2012-05-29 00:00:00.000
5	708	2012-05-30 00:00:00.000	2013-05-29 00:00:00.000	33.6442	2013-05-29 00:00:00.000
6	708	2013-05-30 00:00:00.000	NULL	34.99	2013-05-30 00:00:00.000
7	709	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	9.50	2012-05-29 00:00:00.000
8	710	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	9.50	2012-05-29 00:00:00.000
9	711	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	33.6442	2012-05-29 00:00:00.000
10	711	2012-05-30 00:00:00.000	2013-05-29 00:00:00.000	33.6442	2013-05-29 00:00:00.000
11	711	2013-05-30 00:00:00.000	NULL	34.99	2013-05-30 00:00:00.000

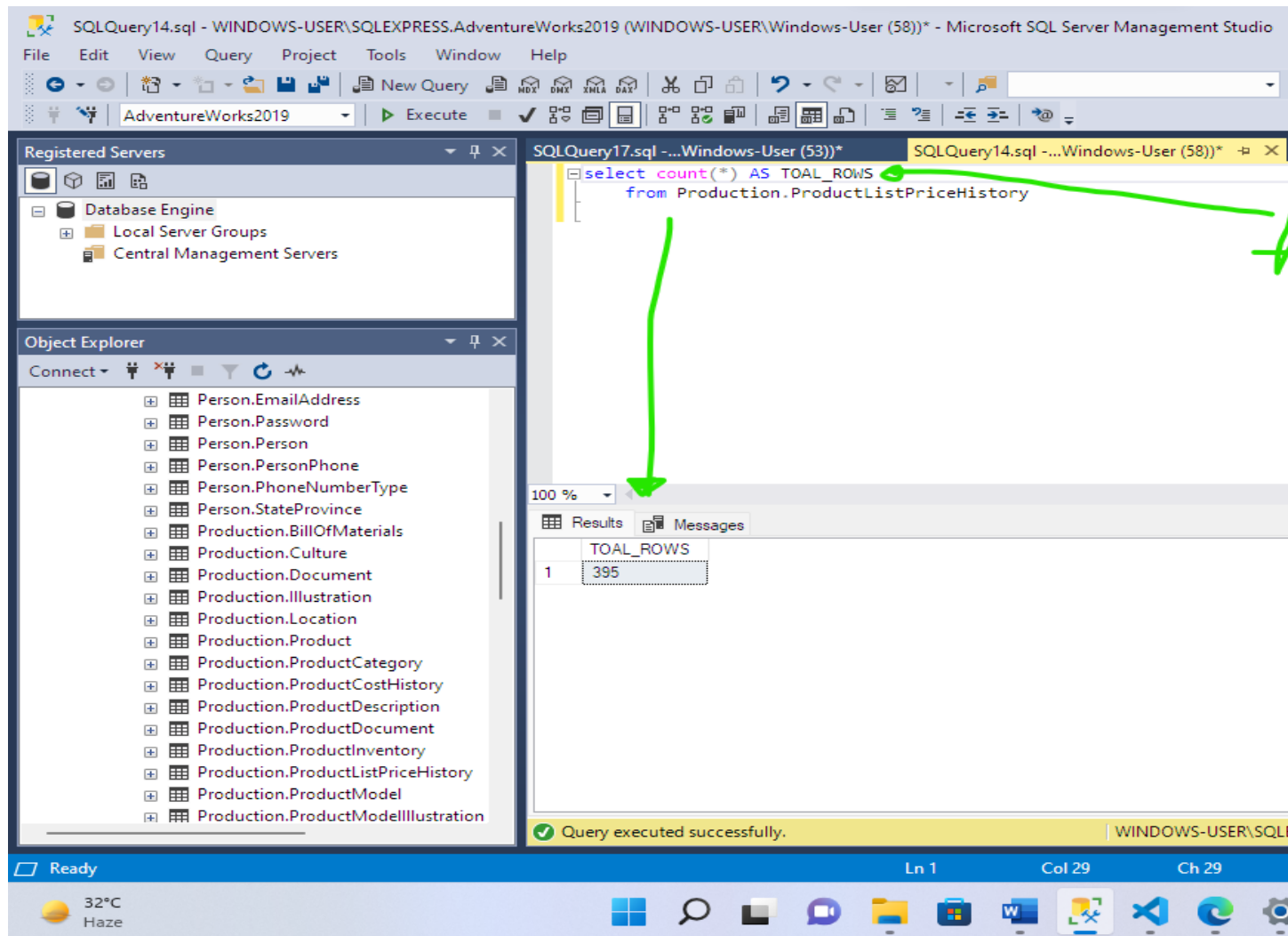
Query executed successfully. WINDOWS-USER

Ready Ln 1 Col 1

32°C Haze

You can know the total number of rows in table using the below sql code

```
select  
count(*) AS  
TOAL_ROW  
S  
  
from  
Production.  
ProductListP  
riceHistory
```



N.B:There are 395 rows.

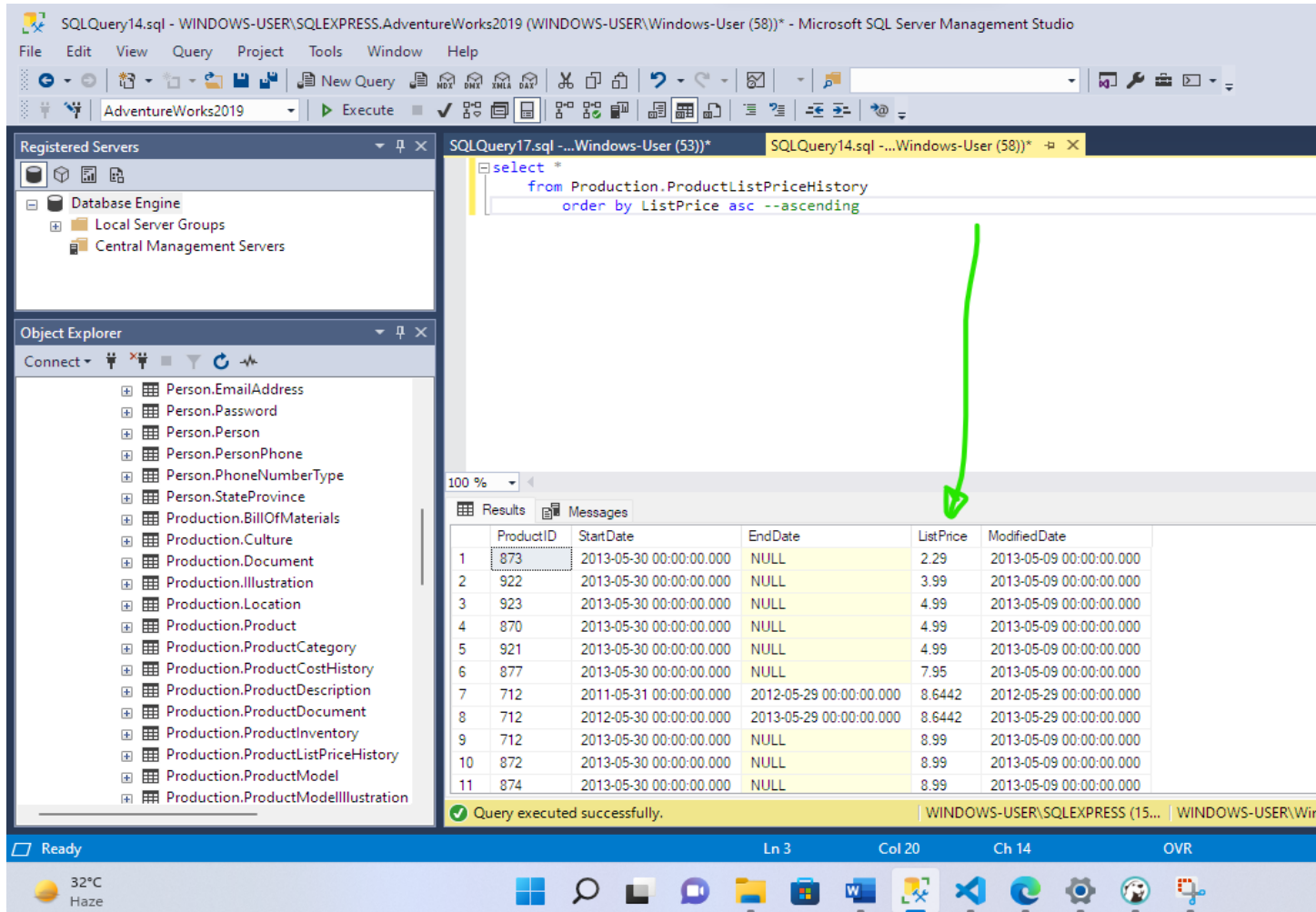
[ASCENDING ORDER]

To sort your data in sql,you can use the order by sql keyword,demonstrated in an sql code

s  
e  
l  
e  
c  
t  
\*

from product information product list price sheet

order by ListPrice asc --this line of code sorts in ascending  
order(smallest to largest)



SQLQuery14.sql - WINDOWS-USER\SQLEXPRESS.AdventureWorks2019 (WINDOWS-USER\Windows-User (58))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

AdventureWorks2019 Execute

Registered Servers

- Database Engine
  - Local Server Groups
  - Central Management Servers

Object Explorer

Connect

- Person.EmailAddress
- Person.Password
- Person.Person
- Person.PersonPhone
- Person.PhoneNumberType
- Person.StateProvince
- Production.BillOfMaterials
- Production.Culture
- Production.Document
- Production.Illustration
- Production.Location
- Production.Product
- Production.ProductCategory
- Production.ProductCostHistory
- Production.ProductDescription
- Production.ProductDocument
- Production.ProductInventory
- Production.ProductListPriceHistory
- Production.ProductModel
- Production.ProductModelIllustration

SQLQuery17.sql -...Windows-User (53))\* SQLQuery14.sql -...Windows-User (58))\*

```
select *
from Production.ProductListPriceHistory
order by ListPrice asc --ascending
```

100 %

Results Messages

	ProductID	StartDate	EndDate	ListPrice	ModifiedDate
1	873	2013-05-30 00:00:00.000	NULL	2.29	2013-05-09 00:00:00.000
2	922	2013-05-30 00:00:00.000	NULL	3.99	2013-05-09 00:00:00.000
3	923	2013-05-30 00:00:00.000	NULL	4.99	2013-05-09 00:00:00.000
4	870	2013-05-30 00:00:00.000	NULL	4.99	2013-05-09 00:00:00.000
5	921	2013-05-30 00:00:00.000	NULL	4.99	2013-05-09 00:00:00.000
6	877	2013-05-30 00:00:00.000	NULL	7.95	2013-05-09 00:00:00.000
7	712	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	8.6442	2012-05-29 00:00:00.000
8	712	2012-05-30 00:00:00.000	2013-05-29 00:00:00.000	8.6442	2013-05-29 00:00:00.000
9	712	2013-05-30 00:00:00.000	NULL	8.99	2013-05-09 00:00:00.000
10	872	2013-05-30 00:00:00.000	NULL	8.99	2013-05-09 00:00:00.000
11	874	2013-05-30 00:00:00.000	NULL	8.99	2013-05-09 00:00:00.000

Query executed successfully.

Ready 32°C Haze

Ln 3 Col 20 Ch 14 OVR

[DESCENDING ORDER]

To sort your data in sql,you can use the order by sql keyword,demonstrated in an sql code

elect\*

from production process. production process principle



History

ordered by List price descending - Desc

nd  
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a  
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SQLQuery14.sql - WINDOWS-USER\SQLEXPRESS.AdventureWorks2019 (WINDOWS-USER\Windows-User (58))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

AdventureWorks2019 Execute

Registered Servers

- Database Engine
  - Local Server Groups
  - Central Management Servers

Object Explorer

- Person.EmailAddress
- Person.Password
- Person.Person
- Person.PersonPhone
- Person.PhoneNumberType
- Person.StateProvince
- Production.BillOfMaterials
- Production.Culture
- Production.Document
- Production.Illustration
- Production.Location
- Production.Product
- Production.ProductCategory
- Production.ProductCostHistory
- Production.ProductDescription
- Production.ProductDocument
- Production.ProductInventory
- Production.ProductListPriceHistory
- Production.ProductModel
- Production.ProductModelIllustration

SQLQuery17.sql - ...Windows-User (53))\* SQLQuery14.sql - ...Windows-User (58))\*

```
select *
from Production.ProductListPriceHistory
order by ListPrice desc --Descending ie largest to smallest
```

100 %

Results Messages

	ProductID	StartDate	EndDate	ListPrice	ModifiedDate
1	749	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	3578.27	2012-05-29 00:00:00.000
2	750	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	3578.27	2012-05-29 00:00:00.000
3	751	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	3578.27	2012-05-29 00:00:00.000
4	752	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	3578.27	2012-05-29 00:00:00.000
5	753	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	3578.27	2012-05-29 00:00:00.000
6	771	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	3399.99	2012-05-29 00:00:00.000
7	772	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	3399.99	2012-05-29 00:00:00.000
8	773	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	3399.99	2012-05-29 00:00:00.000
9	774	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	3399.99	2012-05-29 00:00:00.000
10	775	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	3374.99	2012-05-29 00:00:00.000
11	776	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	3374.99	2012-05-29 00:00:00.000

Query executed successfully. WINDOWS-USER\SQLEXPRESS (15... WINI

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Can you physically see the difference?

You can also use the where keyword in sql to filter your data.Below is the sql code





The screenshot displays the Microsoft SQL Server Management Studio interface. The title bar indicates the active query is 'SQLQuery14.sql - WINDOWS-USER\SQLEXPRESS.AdventureWorks2019 (WINDOWS-USER\Windows-User (58))\* - Microsoft SQL Server Management Studio'. The menu bar includes File, Edit, View, Query, Project, Tools, Window, and Help. The toolbar contains various icons for file operations, query execution, and formatting. The 'Registered Servers' pane on the left shows the 'Database Engine' expanded, with 'Local Server Groups' and 'Central Management Servers' listed. The 'Object Explorer' pane on the left shows a tree view of database objects, including 'Person.EmailAddress', 'Person.Password', 'Person.Person', 'Person.PersonPhone', 'Person.PhoneNumberType', 'Person.StateProvince', 'Production.BillOfMaterials', 'Production.Culture', 'Production.Document', 'Production.Illustration', 'Production.Location', 'Production.Product', 'Production.ProductCategory', 'Production.ProductCostHistory', 'Production.ProductDescription', 'Production.ProductDocument', 'Production.ProductInventory', 'Production.ProductListPriceHistory', 'Production.ProductModel', and 'Production.ProductModelIllustration'. The main query editor shows the following SQL code:

```
select *
from Production.ProductListPriceHistory
where ProductID =707
```

The 'Results' pane at the bottom displays the query output as a table with 5 columns: ProductID, StartDate, EndDate, ListPrice, and ModifiedDate. A green arrow points to the 'ListPrice' column. The status bar at the bottom indicates 'Query executed successfully.' and 'WINDOWS-USER\SQLEXPRESS (15...'. The Windows taskbar at the bottom shows the system clock as 32°C Haze and various application icons.

	ProductID	StartDate	EndDate	ListPrice	ModifiedDate
1	707	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	33.6442	2012-05-29 00:00:00.000
2	707	2012-05-30 00:00:00.000	2013-05-29 00:00:00.000	33.6442	2013-05-29 00:00:00.000
3	707	2013-05-30 00:00:00.000	NULL	34.99	2013-05-09 00:00:00.000

N.B:You can observe your dataset present in sql database form before analysing by using **select \***,this would enable you carry **WHERE/OR** operations very well in sql.Below is an OR operator sql code.See also AND operator sql code









SQLQuery14.sql - WINDOWS-USER\SQLEXPRESS.AdventureWorks2019 (WINDOWS-USER\Windows-User (58)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

AdventureWorks2019 Execute

Registered Servers

- Database Engine
  - Local Server Groups
    - Central Management Servers

Object Explorer

Connect

- Person.EmailAddress
- Person.Password
- Person.Person
- Person.PersonPhone
- Person.PhoneNumberType
- Person.StateProvince
- Production.BillOfMaterials
- Production.Culture
- Production.Document
- Production.Illustration
- Production.Location
- Production.Product
- Production.ProductCategory
- Production.ProductCostHistory
- Production.ProductDescription
- Production.ProductDocument
- Production.ProductInventory
- Production.ProductListPriceHistory
- Production.ProductModel
- Production.ProductModelIllustration

SQLQuery17.sql - ...Windows-User (53))\* SQLQuery14.sql - ...Windows-User (58))\*

```
select *  
from Production.ProductListPriceHistory  
where ProductID =707 or ProductID =711
```

100 %

Results Messages

	ProductID	StartDate	EndDate	ListPrice	ModifiedDate
1	707	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	33.6442	2012-05-29 00:00:00.000
2	707	2012-05-30 00:00:00.000	2013-05-29 00:00:00.000	33.6442	2013-05-29 00:00:00.000
3	707	2013-05-30 00:00:00.000	NULL	34.99	2013-05-09 00:00:00.000
4	711	2011-05-31 00:00:00.000	2012-05-29 00:00:00.000	33.6442	2012-05-29 00:00:00.000
5	711	2012-05-30 00:00:00.000	2013-05-29 00:00:00.000	33.6442	2013-05-29 00:00:00.000
6	711	2013-05-30 00:00:00.000	NULL	34.99	2013-05-09 00:00:00.000

Query executed successfully.

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SQLQuery14.sql - WINDOWS-USER\SQLEXPRESS.AdventureWorks2019 (WINDOWS-USER\Windows-User (58)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

AdventureWorks2019 Execute

Registered Servers

- Database Engine
- Local Server Groups
- Central Management Servers

Object Explorer

- Person.EmailAddress
- Person.Password
- Person.Person
- Person.PersonPhone
- Person.PhoneNumberType
- Person.StateProvince
- Production.BillOfMaterials
- Production.Culture
- Production.Document
- Production.Illustration
- Production.Location
- Production.Product
- Production.ProductCategory
- Production.ProductCostHistory
- Production.ProductDescription
- Production.ProductDocument
- Production.ProductInventory
- Production.ProductListPriceHistory
- Production.ProductModel
- Production.ProductModelIllustration

```
select *
from Production.ProductListPriceHistory
where ProductID =707 AND ListPrice = 34.99
```

Criteria 1

Criteria 2

Results

	ProductID	StartDate	EndDate	ListPrice	ModifiedDate
1	707	2013-05-30 00:00:00.000	NULL	34.99	2013-05-09 00:00:00.000

Query executed successfully.

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- **THE END**

We have come to the end of the step by step guide for data analysis with sql